



Prestidigitation

by Arya Akhavan (June 2013)

Angles for R.I. = 1.760

28 + 6 girdles = 34 facets

3-fold, mirror-image symmetry

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$L/W = 1.155$ $T/W = 0.704$ $U/W = 0.610$

$P/W = 0.593$ $C/W = 0.205$

$Vol./W^3 = 0.334$

PAVILION

P1	49.85°	96-32-64	Cut to centerpoint.
P2	48.86°	01-31-33-63-65-95	Meet at culet.
G1	90.00°	96-16-32-48-64-80	Set stone size.
P3	68.53°	16-48-80	Level girdle.

CROWN

C1	40.70°	16-48-80	Set girdle width.
C2	65.54°	96-32-64	Level girdle.
C3	35.67°	14-18-46-50-78-82	Meet G1, C1, C2
C4	22.96°	16-48-80	Meet C1, C3
T	0.00°	Table	Meet C2, C3, C4

If you have a perfectly cube-shaped piece of rough, what gives you the best yield? A square oriented on one of the flats? A square oriented on a cube edge? Nope. Turns out to be a hexagon, oriented on a cube vertex! Works in materials from fluorite to CZ (RI = 1.43 - 2.16) with no changes, but I prefer green synthetic corundum. Suggested size = 7-15 mm

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